15 cont an avian cell for harboring the vector.

16 3. (Amended) The EPO production system of claim 1, wherein the avian cell is QT-VC.

4. The EPO reproduction system of claim 1, wherein the DNA is a genomic DNA encoding EPO.

17 5. (Amended) The EPO production system of claim 1, wherein the DNA encoding EPO is SH (SEQ ID NO: 5).

18 7. (Amended) A method of producing EPO comprising:
inserting a DNA encoding an EPO into a vector comprising an HCMV MIEP promoter;
transfecting the vector into an avian cell; and
culturing the transfected avian cell in media.

19 9. (Amended) The method of claim 7, wherein the avian cell is QT-VC.

10. The method of claim 7, wherein the DNA encoding EPO is a genomic DNA.

10 11. (Amended) The method of claim 7, wherein the DNA encoding the EPO is SH (SEQ ID NO: 5).

13. (Amended) An EPO genomic sequence selected from the group consisting of SH (SEQ ID NO: 5).

11 14. (Amended) An EPO amino acid sequence selected from the group consisting of SH (SEQ ID NO: 10).

15. (Amended) An avian cell as a host for expressing EPO by controlling an HCMV MIEP promoter.

17. (Amended) The avian cell of claim 15, wherein the avian cell is QT-VC.

18. (Twice Amended) A human heterologous protein production system comprising:
a DNA encoding a human heterologous protein;
a vector comprising an HCMV MIEP promoter for receiving the DNA; and
an avian cell for harboring the vector.

19. (Amended) The human heterologous protein production system of claim 18, wherein the human heterologous protein is EPO.

20. (Amended) A method of producing a human heterologous protein comprising:
inserting a DNA encoding a human heterologous protein into a vector comprising an HCMV MIEP promoter;
transfecting the vector into an avian cell; and
culturing the transfected avian cell in media.

21. (Amended) The method of claim 20, wherein the human heterologous protein is EPO.